

PAVEMENT DRYER

ABSTRACT OF THE DISCLOSURE

A pavement dryer has a pick-up assembly operating with a gas processing system. The pick-up assembly has an assembly frame mounted on wheels and connected to the gas processing system, and a nozzle that is maintained in close proximity to a paved surface. The gas processing system has a system frame mounted on wheels, a compressor, and a collection chamber. The compressor draws air from the nozzle through the collection chamber. Water entrained in the air flow is removed from the paved surface and settles in the collection chamber. The water may be separated by gas centrifuges. The nozzle has a nozzle lip positioned to provide a controlled gap with the paved surface. The size of the gap can preferably be adjusted, preferably by a movable damper. The nozzle has a trailing edge seal that forcibly engages the paved surface, and preferably also has end seals.